

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,015,497 B1
APPLICATION NO. : 10/649046
DATED : March 21, 2006
INVENTOR(S) : Berger

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page Column 2 Line 11

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, *Applied Physics Letterws*, 72 pp. 2179-2181 (1998)." and insert -- Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, *Applied Physics Letters*, 72, pp. 2179-2181 (1998). --.

Title Page pg 2 Col. 1 line 20

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Feldheim, D.L. et al., Self-assembley of single electron transistors and related devicces, Chemical Society Reviews, 27, pp. 1-12 (1998)." and insert -- Feldheim, D.L. et al., Self-assembly of single electron transistors and related devices, Chemical Society Reviews, 27, pp. 1-12 (1998). --.

Title Page (col 2) pg 2, line 39

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Schittenhelm. P. et al., Photoluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), *Appl. Phys. Lett.*, 67, pp. 1292-1294 (1995)." and insert -- Schittenhelm, P. et al., Photoluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), *Appl. Phys. Lett.*, 67, pp. 1292-1294 (1995).

Title Page Page 3 (col. 2) line 23

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si(100) substrate bymolecular beam epitaxy, *Appl. Phys. Lett.*, 71, pp. 3543-3545 (1997)." and insert -- Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si (100) substrate by molecular beam epitaxy, *Appl. Phys. Lett.*, 71, pp. 3543-3545 (1997). --

Title Page (3) Column 2 line 24

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Yoshikawa, N. et al., Complementary Digital Logic using Resistively Coupled Single-Electron Transistor, *jJpn. J. Appl. Phys.*, 35, pp. 1140-1145 (1996)." and insert -- Yoshikawa, N. et al., Complementary Digital Logic Using Resistively Coupled Single-Electron Transistor, *Jpn. J. Appl. Phys.*, 35, pp. 1140-1145 (1996). --

In section (57), last sentence of Abstract, please delete "said" and insert -- and --.

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In column 1, line 56, please delete "tow" and insert -- two --.

In column 2, line 61, please delete "material and" and insrt -- material; and --.

In column 3, line 1, please delete "materials" and insert -- material --.

In column 4, lines 38-39, please delete "500 nanometers" and insert -- 50 nanometers --.

In column 4, line 60, please delete "so" and insert -- to --.

In column 5, line 21, please delete "not" and insert -- no --.

In column 5, line 27, please delete "structures, the" and insert -- structures, that the --.

In column 5, line 43, please delete "diameter of not" and insert -- diameter not --.

In column 6, line 16, please delete "segmented" and insert -- segregated --.

In column 8, line 39, please delete "mode" and insert -- node --.

In column 8, line 67, please delete "represents" and insert -- resonant --.

In column 9, line 38, please delete " $E_a \geq 10k_aT$ " and insert -- $E_a \geq 10k_B T$ --.

In column 9, line 42, please delete "noticeable. Coulomb" and insert -- noticeable Coulomb --.

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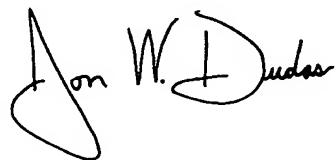
In column 11, line 14, please delete "expitaxial" and insert -- epitaxial --.

In column 11, line 21, please delete "Alternatively" and insert -- Alternative --.

In column 13, line 17, please delete "peptide" and insert -- periodic --.

Signed and Sealed this

Eighth Day of August, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office